IN THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application.

1-36 Canceled.

37. (Original) A mobile concrete pump provided with

a chassis (12) supportable on a substrate via support struts (14, 16),

a concrete distribution boom (28) arranged on the chassis (12),

a distribution boom (28) rotatably mounted to a distribution block (32) and supportable in the transport position on a chassis-fixed boom support unit (40), and

a conveying conduit (26) connected to the pressure side of the concrete pump and running along the distribution boom (28),

wherein the boom support unit (40) includes a housing part (44) which extends above the chassis (12), which is accessible from the outside via at least one closeable opening (46, 48) and has on the upper side thereof at least one support block (50) for supporting the distribution boom,

wherein the housing part (44) includes a first and a second frame part (52, 54), the frame parts (52, 54) respectively having L-profiles which compliment each other to form a rectangular housing profile, wherein the first frame part is provided fixed to the chassis and the second frame part (54) is removable from the first frame part (52) and carries at least one boom support block (50) on its top-side.

38. (Original) The mobile concrete pump according to Claim 37, wherein control devices for controlling pumps (56) are provided in the first frame part (52).

39. (Original) The mobile concrete pump according to Claim 37, wherein the at least one support block (50) is provided on the outside of the upper L-shank (64) of the second frame part (54).

40. (Original) The mobile concrete pump according to Claim 37, wherein the upper L-shank (64) of the second frame part (54) exhibits a hole pattern for securing support blocks (50) of different design and/or size.

41. (Original) The mobile concrete pump according to Claim 37, wherein the first frame part (52) exhibits, on its side L-shank, a mounting device (74) for a section of the conveying conduit (26) connected to the vehicle chassis.

42. (Original) The mobile concrete pump according to Claim 37, wherein the second frame part (54) exhibits, on its side L-shank (76), a mounting device (78) for a hose.

43. (Original) The mobile concrete pump according to Claim 37, wherein the second frame part (54) exhibits, on its side L-shank, an access opening (48) closeable via a lid.

44. (Original) The mobile concrete pump according to Claim 37, wherein the second frame part (54) exhibits, on its upper L-shank (64), a mounting device for a spray shield.

45. (Original) The mobile concrete pump according to Claim 37, wherein the first frame part (52) is provided with a rubber skirt (70) on its rear area.

46. (Original) The mobile concrete pump according to Claim 37, wherein the boom support unit (40) is provided in an area between a material supply container (24) of the thick matter pump (22) and a vehicle chassis fixed water tank (42).

47. (Original) The mobile concrete pump according to Claim 37, wherein the boom support unit (40) is associated with a switch element (72) actuatable by the lying thereupon of the distribution boom (28), via which the operation of the support outriggers (14, 16) can be cleared or unlocked.

48. (Original) The mobile concrete pump according to Claim 37, wherein at least parts of the housing part (44) and/or the support block (50) of the boom support unit (40) are comprised of a light construction material.

49. (Original) The mobile concrete pump according to Claim 48, wherein the light construction material is comprised of a fiber reinforced plastic, in particular carbon fiber reinforced plastic or glass fiber reinforced plastic.

50. (Original) The mobile concrete pump according to Claim 48, wherein the light construction material is a metal foam, preferably with aluminum or titanium components.

51. (Original) The mobile concrete pump according to Claim 48, wherein the light construction material of the housing part (44) and/or the support block (50) has a friction resistant and/or hard coating.

52. (Original) The mobile concrete pump according to Claim 51, wherein the coating is comprised of chrome, aluminum, silicon carbide or ceramic.

53. (Original) A boom support unit for a distribution boom of a mobile concrete pump, with a housing part (44), which is accessible from outside via at least one closeable opening (46, 48) and is provided in its upper part with at least one support block (50) for supporting the distribution boom (28), wherein the housing part (44) includes a first and a second frame part (52, 54), that the first frame part carries internally a control device for controlling a pump and that the second frame part (54) is removable from the first frame part (52) and carries on its top side the at least one support block (50), and that the frame parts (52, 54) respectively exhibit an L-profile, complimenting each other to form the perimeter of a rectangular housing.

54. (Original) The boom support unit according to Claim 53, wherein the at least one support block (50) is provided on the outside of the upper L-shank (64) of the second frame part (54).

55. (Original) The boom support unit according to Claim 53, wherein the upper L-shank (64) of the second frame part (54) exhibits a hole pattern for the securing of support blocks (50) of different design and/or different size.

56. (Original) The boom support unit according to Claim 53, wherein the first frame part (52) has on its side L-shank a mounting device for a conveying conduit (26).

57. (Original) The boom support unit according to Claim 53, wherein the second frame part (54) has on its side L-shank (76) a mounting device (78) for a hose.

58. (Original) The boom support unit according to Claim 53, wherein the second frame part (54) has on its side L-shank an access opening (48) closeable via a lid.

59. (Original) The boom support unit according to Claim 53, wherein the second frame part (54) has, on its upper L-shank (64), a mounting device for a spray shield.

60. (Original) The boom support unit according to Claim 53, wherein the first frame part (52) has on its rear area a rubber skirt (70).

61. (Original) The boom support unit according to Claim 53, including a switch element (72) actuatable by the lying thereupon of the distribution boom (28).

62. (Original) The boom support unit according to Claim 53, wherein at least parts of housing (44) and/or the support block (50) of the boom support unit (40) are comprised of the light construction material.

63. (Original) The boom support unit according to Claim 62, wherein the light construction material is comprised of a fiber reinforced plastic, in particular, carbon fiber reinforced plastic or glass fiber reinforced plastic.

64. (Original) The boom support unit according to Claim 62, wherein the light construction material is comprised of the metal foam, preferably with aluminum or titanium components.

65. (Original) The boom support unit according to Claim 62, wherein the light construction material of the housing part (44) and/or the support block (50) carries a friction resistant and/or hard coating.

66. (Original) The boom support unit according to Claim 65, wherein the coating is selected from the group consisting of chrome, aluminum, silicon carbide and ceramic.